BIXOLON®
SAMSUNG mini printers

Display Installation Guide

KN10-00003A (Rev.1.2)

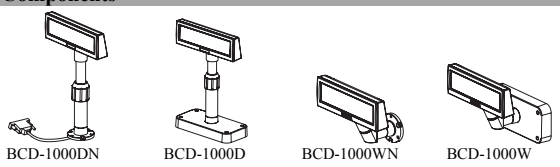
CUSTOMER DISPLAY BCD-1000

◈ Information

This Installation Guide includes a brief outline of information necessary for product installation. For more detailed installation information, please refer to the user manual in the enclosed CD. The contents of the CD include the following.

1. Manual: User Manual
2. Drivers: Windows Drivers, OPOS Drivers

◈ Components



BCD-1000DN BCD-1000D BCD-1000WN BCD-1000W

Common Components of All Products

CD

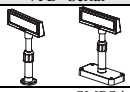
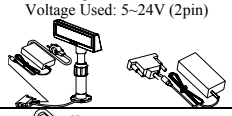
Installation Guide

Screws
M3*10, Tapping
(excluding BCD-1000D type)

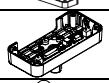
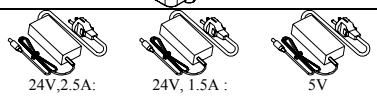
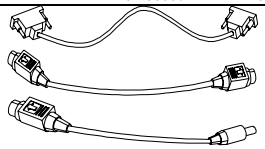
◈ Defaults & Options by Product Type

1. Serial Type

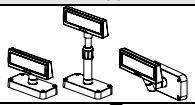
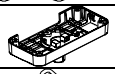
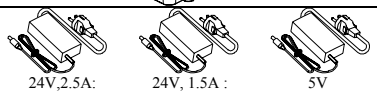
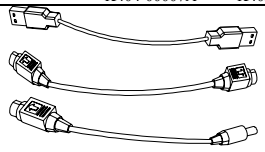
* Direct Type : Direct connection with the VFD, bypassing the Board

Item	VFD- Serial
Set Default	
Connection	Connection via a separate SMPS in the serial port Voltage Used: 5~24V (2pin) 
Power Default	 5V (K410-00001A)

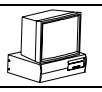
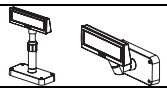
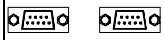
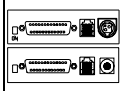
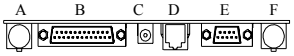
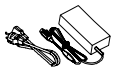
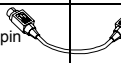
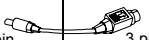
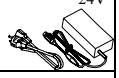
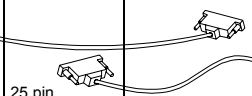
* Pass through Type (Data : Host (PC) → VFD → Printer)

Item	VFD- Serial
Set Default	
Board Default	
Power Options	 24V,2.5A: K404-00007A 24V, 1.5A : K402-00008B 5V K410-00001A
Cable Options	 9PM.25PF (K604-00086A) Power Cable 3P/3P 1.8M (K610-00005B) Power Cable 3P/2P 1.8M (K610-00005G)

2. USB Type (Host (PC) → VFD, Host → Printer)

Item	VFD- USB
Set Default	
Board Default	
Power Options	 24V,2.5A: K404-00007A 24V, 1.5A : K402-00008B 5V K410-00001A
Cable Options	 USB Cable,1.8M (K604-00069A) Power Cable 3P/3P 1.8M (K610-00005B) Power Cable 3P/2P 1.8M (K610-00005G)

◈ Connection Type and Size

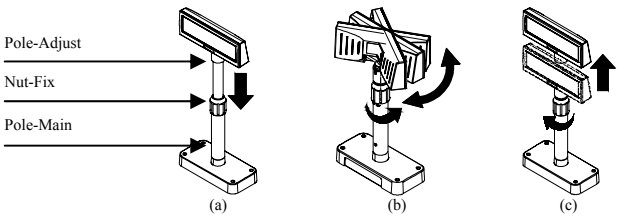
Basic Units			
Interface			A B C D E F 
Power Connection Method 1 VFD Separate Power Supply			5~24V
Power Connection Method 2 SMPS→VFD →Printer		 3 pin 3 pin	24V
Power Connection Method 3 SMPS→VFD →Printer		 2 pin 3 pin	24V 
Cable Connection Method 1 Host→VFD →Printer	 9 pin	 25 pin 25 pin	 9 pin
Cable Connection Method 2	 9 pin 9 pin	 25 pin	 25 pin
Etc.	A: Power Supply Connector (Out DC 24V, 3pin) B: Host Interface Connector (D-SUB 25pin, Female) C: Power Supply Connector (In DC 5~24V, 2pin) D: Display Unit Connector E: Printer Interface Connector (D-SUB 9pin, Male) F: Power Supply Connector (In DC 24V, 3pin)		

✱ Note

The Power Connection Method for the Serial Type including the SMPS → VFD → Printer Connection Method and separate power supply for the VFD is feasible for the USB TYPE as well.

◈ Rotation Function

This product allows display rotation to any position or angle desired by the user. Please adhere to the following instructions during installation to prevent possible product damage and/or malfunction. Following assembly, follow the sequence below to fix the DISPLAY in the desired position.



(a) Lower the DISPLAY UNIT in the direction of the arrow.
Rotate the NUT-FIX to allow for lowering.
(Please refer to the product OPEN/CLOSE label.)

(b) Rotate the DISPLAY UNIT to the desired angle.

✱ Caution
Do not rotate the DISPLAY UNIT in any direction for more that one full revolution.
(Beware as the DISPLAY UNIT can be rotated continuously.)

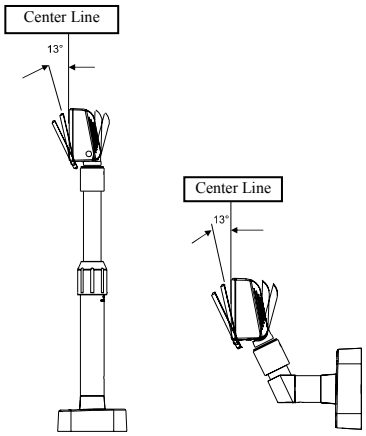
(c) After setting the DISPLAY to the desired position, secure the NUT-FIX.
(When raising the DISPLAY UNIT, lateral movement is prevented.)
Make sure to tighten the NUT-FIX after raising the DISPLAY UNIT to the desired height.

✱ Caution
As excessive tightening of the NUT-FIX can result in product damage and/or malfunction, secure only to the extent that the DISPLAY UNIT is fixed and does not move.

✱ Caution
As shown in figure (A), make sure to fully lower the DISPLAY UNIT before rotating. Rotation of the DISPLAY UNIT when it is not fully lowered will produce a clicking sound. This sound does not indicate any product breakage and is a result of the friction between the POLE-MAIN RIB and the rotation section within the POLE-ADJUST. If the DISPLAY UNIT is fully lowered, this sound will not be produced.

◈ Tilting Function

This product allows display tilting to any angle desired by the user. Please adhere to the following instructions during installation to prevent possible product damage and/or malfunction. The display can be angled left and right from the Center Line in 13° angle intervals for a total of 4 steps, 5 positions. (Angling: 52°max.)



◈ Setting the DIP Switches

Changing Dip Switch settings must be done when the printer is off.
Any changes done while the printer is on will not be processed.

1. DIP Switch #1 Function (RS-232 Serial Input Setting)

No.	Function	Switch OFF	Switch ON
1	Default Setting	DIP Switch Values	EEP-ROM Data Leading
2	N.C. (No Connection)	Reserved for Future Using	Reserved for Future Using
3	Display Vewing Side	Customer Side	Operator Side
4	Self-Test Execution	Does not execute	Executes

5~8 Command Emulation

5	6	7	8	Command Emulation	5	6	7	8	Command Emulation
0	0	0	0	Samsung VFD	1	0	0	0	NCR Real POS
0	0	0	1	Epson ESC/POS	1	0	0	1	PD6000
0	0	1	0	ADM787/788	1	0	1	0	ICD2002
0	0	1	1	DSP800	1	0	1	1	Reserved
0	1	0	0	AEDEX	1	1	0	0	Reserved
0	1	0	1	UTC Standard	1	1	0	1	Reserved
0	1	1	0	UTC Enhance	1	1	1	0	Reserved
0	1	1	1	CD5220	1	1	1	1	Reserved

("0" : S/W OFF, "1" : S/W ON)

2. DIP Switch #2 Function

No.	Function	Switch OFF	Switch ON
1	Data Length	8 Bits	7 Bits
2	Parity using	None Parity	Parity
3	Parity Selection	Odd	Even

4~6 Baud-rate Selection

4	5	6	Baud-rate	4	5	6	Baud-rate
0	0	0	9,600 bps	1	0	0	115,200 bps
0	0	0	4,800 bps	1	0	1	57,600 bps
0	1	1	2,400 bps	1	1	0	38,400 bps
0	1	0	1,200 bps	1	1	1	19,200 bps

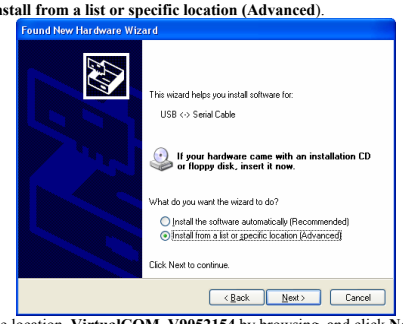
("0" : S/W OFF, "1" : S/W ON)

7~8	N.C. (No Connection)	Reserved for Future Using	Reserved for Future Using

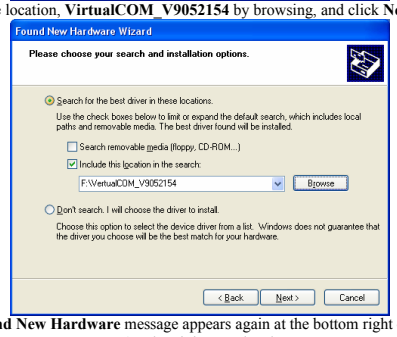
◈ Virtual COM Driver Installation (for BCD-1000 USB type only)

The **PC** requires software installation when it detects new hardware connected to a **USB** Port.
First, connect the **BCD-1000DU/WU (USB)** to the **PC USB** Port and install the software, setting the conditions as shown below.

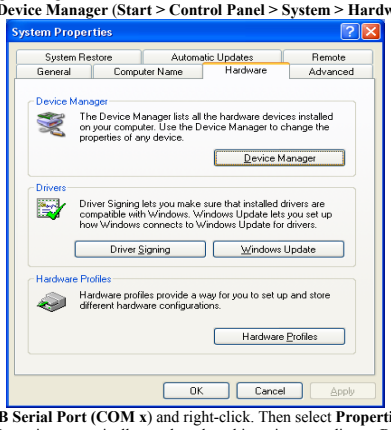
1. Connect the **BCD-1000DU/WU(USB)** to the **PC USB** Port.
   The **Found New Hardware** message will appear.
2. Select **Install from a list or specific location (Advanced)**.


Found New Hardware Wizard
This wizard helps you install software for:
USB <> Serial Cable
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

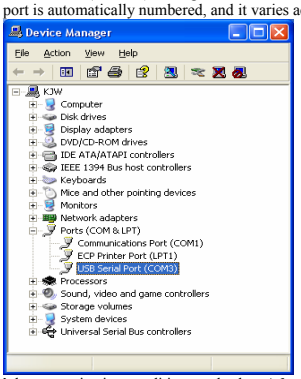
3. Select the location, **VirtualCOM_V9052154** by browsing, and click **Next**.


Found New Hardware Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM...)
Include this location in the search:
F:\VertualCOM_V9052154
Browse
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< Back
Next >
Cancel

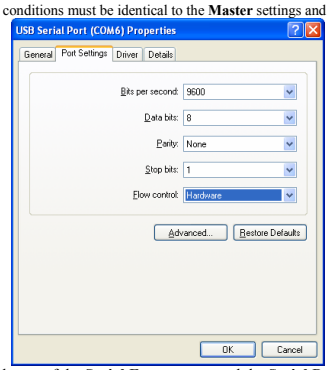
4. The **Found New Hardware** message appears again at the bottom right of the screen, **PC Found New Hardware (USB Serial Port)**, when it is completed.
5. Repeat steps 1~3 again in the **Found New Hardware Wizard**. Installation is performed twice.
6. Open the **Device Manager (Start > Control Panel > System > Hardware > Device Manager)**.


System Properties
System Restore
Automatic Updates
Remote
General
Computer Name
Hardware
Advanced
Device Manager
The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.
Device Manager
Drivers
Driver Signing lets you make sure that installed drivers are compatible with Windows. Windows Update lets you set up how Windows connects to Windows Update for drivers.
Driver Signing
Windows Update
Hardware Profiles
Hardware profiles provide a way for you to set up and store different hardware configurations.
Hardware Profiles
OK
Cancel
Apply

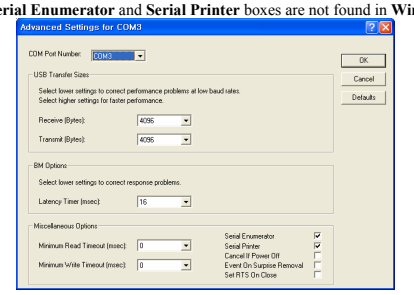
7. Select **USB Serial Port (COM x)** and right-click. Then select **Properties**.
   The **COM** port is automatically numbered, and it varies according to **PC** port occupation conditions.



8. Set the **Serial** communication conditions and select **Advanced**.
   8-1. The **preset Serial** conditions are **9600 bps, 8 data bits, parity none, and flow control hardware**.
   8-2. These conditions must be identical to the **Master** settings and application program **Serial** settings.



9. Check the boxes of the **Serial Enumerator** and the **Serial Printer**, and then select **OK**. The **Virtual COM** driver is now successfully installed.
   (The **Serial Enumerator** and **Serial Printer** boxes are not found in **Windows 98**.)



◈ WEEE (Waste Electrical and Electric Equipment)

This marking shown on the product or its literature, indicates that is should not be disposed with other household wastes at the end of its working life, To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

☎ BIXOLON Co., Ltd.

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BIXOLON®
SAMSUNG mini printers

Guide d'installation du dispositif d'affichage

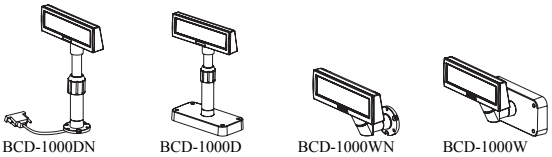
DISPOSITIF D'AFFICHAGE CLIENT BCD-1000

◈ Information

Ce guide d'installation comprend de brèves informations nécessaires à l'installation du produit. Pour des informations plus détaillées concernant l'installation, veuillez vous reporter au manuel d'utilisation disponible sur le CD fourni. Le contenu du CD est le suivant..

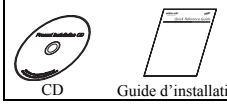
1. Manuel : Manuel d'utilisation
2. Pilotes : Pilotes Windows, pilotes Système d'exploitation

◈ Composants



BCD-1000DN BCD-1000D BCD-1000WN BCD-1000W

Composants communs à tous les produits



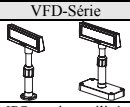
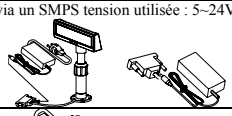
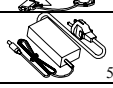
CD Guide d'installation

Vis
M3*10, vis-taraud
(Sauf pour le modèle BDC-1000D)

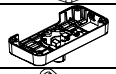
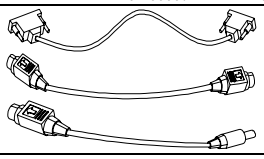
◈ Paramétrage initial et options par modèle

1. Type Série

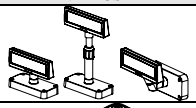
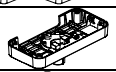
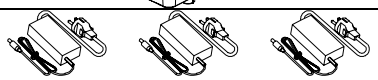
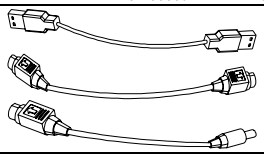
* Modèle Direct : Aucun passage via une planche, connexion directe avec le VFD

Elément	VFD-Série
Paramétrage Initial de l'ensemble	
Connexion	Connexion via un SMPS tension utilisée : 5~24V (2 broches) 
Paramétrage initial de l'alimentation	 5V (K410-00001A)

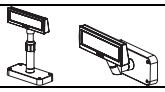
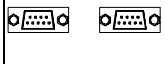
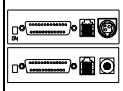
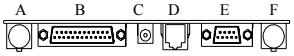
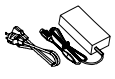
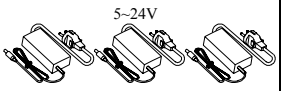
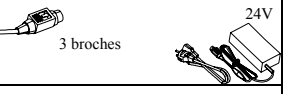
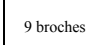
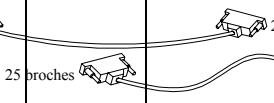
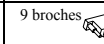
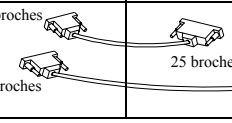
* Passthrough Type (Data Transfer: HOST(PC) → VFD → Printer)

Elément	VFD-Série
Paramétrage Initial de l'ensemble	
Paramétrage Initial de la planche	
Options Alimentation	 24V,2.5A: K404-00007A 24V, 1.5A : K402-00008B 5V K410-00001A
Options Câbles	 9PM.25PF (K604-00086A) Câble d'alimentation 3P/3P 1,8M (K610-00005B) Câble d'alimentation 3P/2P 1,8M (K610-00005G)

2. Modèle USB (Transfert de données : HOTE (PC) → VFD, HOTE → Imprimante)

Elément	VFD-USB
Paramétrage Initial de l'ensemble	
Paramétrage Initial de la planche	
Options Alimentation	 24V,2.5A: K404-00007A 24V, 1.5A : K402-00008B 5V K410-00001A
Options Câbles	 Câble USB, 1,8M (K604-00069A) Câble d'alimentation 3P/3P 1,8M (K610-00005B) Câble d'alimentation 3P/2P 1,8M (K610-00005G)

◈ Dimensions et méthodes de connexion

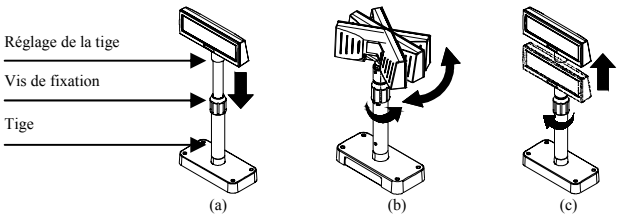
Unité Basique			
Interface			 A B C D E F
Méthode de connexion de l'alimentation 1 Alimentation indépendante VFD			 5~24V
Méthode de connexion de l'alimentation 2 SMPS→VFD →Imprimante		 3 broches	 3 broches 24V
Méthode de connexion de l'alimentation 3 SMPS→VFD →Imprimante		 2 broches	 3 broches 24V
Méthode de connexion du câble 1 Hôte→VFD →Imprimante	 9 broches	 25 broches 9 broches 25 broches	
Méthode de connexion du câble 2	 9 broches	 25 broches 9 broches	 25 broches
Divers	A: Connecteur d'alimentation (Sortie CC 24V, 3 broches) B: Connecteur de l'interface hôte (D_SUB 25 broches, femelle) C: Connecteur d'alimentation (Sortie CC 24V, 2 broches) D: Connecteur de l'unité d'affichage E: Connecteur de l'interface de l'imprimante (D_SUB 9 broches, mâle) F: Connecteur d'alimentation (Entrée CC 24V, 3 broches)		

✱ Note

Les méthodes de connexion d'alimentation pour le modèle USB sont identiques à celles pour le modèle Série, c'est-à-dire la méthode de connexion est identique à celle-ci SMPS→VFD→Imprimante ainsi que celle des alimentations indépendantes pour le VFD.

◈ Fonction de rotation

Ce produit est conçu pour être tourné dans la direction souhaitée. Suivre les consignes ci-dessous afin de vous assurer que ce produit est correctement utilisé ainsi qu'afin d'éviter tout dommage. Après avoir monté le produit, suivre les étapes indiquées par les images ci-dessous afin d'orienter le dispositif d'affichage dans une position souhaitée.



(a) Baisser l'unité d'affichage dans le sens de la flèche.
Tourner la vis de fixation afin de pouvoir baisser l'unité d'affichage.
(Se reporter aux marques OUVRIR/FERMER du produit)

(b) Tourner l'unité d'affichage dans l'angle souhaité.

✱ Attention
Ne pas tourner l'unité d'affichage plus d'un tour complet.
(Prendre soin que l'unité d'affichage ne soit pas constamment tournée.)

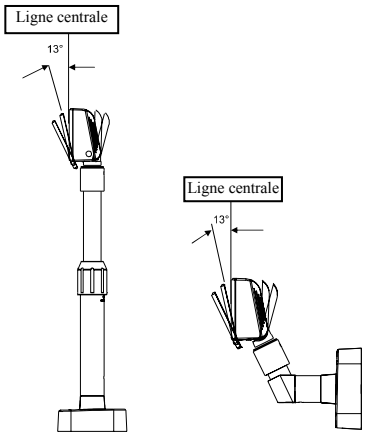
(c) Une fois l'unité d'affichage positionnée dans la direction souhaitée, resserrer doucement la vis de fixation. (Il est impossible de tourner l'unité, lorsdque cette dernière est montée). Une fois l'unité d'affichage positionnée à la hauteur souhaitée, resserrer doucement la vis de fixation.

✱ Attention
Trop serrer la vis de fixation peut entraîner des dommanges ainsi que des dysfonctionnements. Serrer suffisamment la vis de fixation afin que l'unité d'affichage soit correctement maintenue.

✱ Attention
Comme indiqué sur le schéma (a), tourner l'unité d'affichage après l'avoir baissée au maximum. Un clic surviendra lorsque l'unité d'affichage sera tournée alors qu'elle n'est pas baissée au maximum. Ce son ne signifie que l'unité a été endommagée, il émane du contact entre le mécanisme et les nervures de la tige. Si l'unité d'affichage est baissée au maximum, on n'entendra aucun bruit lors de sa rotation.

◈ Fonction d'inclinaison

Le produit est conçu pour être tourné dans la direction souhaitée. Suivre les consignes ci-dessous afin de vous assurer que ce produit est correctement utilisé ainsi qu'afin d'éviter tout dommage. L'unité d'affichage peut s'incliner d'intervalles à 13° à partir de la ligne centrale en quatre étapes maximum ou cinq positions. (Inclinaison : 52° max.)



◈ Paramétrage des commutateurs DIP

La modification des paramètres des commutateurs DIP doit être effectuée lorsque l'imprimante est éteinte. Toute modification effectuée lorsque l'imprimante est allumée ne sera pas traitée.

1. Fonction du commutateur DIP n°1 (Paramétrage de l'entrée série RS-232)

N°	Fonction	Eteint	Allumé
1	Paramétrage initial	Valeur du commutateur DIP	Interlignage des données EEP-ROM
2	N. C. (Non connecté)	Veille Utilisation	Veille Utilisation
3	Direction d'affichage	Vers le client	Vers l'opérateur
4	Autotest	Désactivé	Activé

5~8 Emulation de commande

5	6	7	8	Emulation de commande	5	6	7	8	Emulation de commande
0	0	0	0	VFD Samsung	1	0	0	0	POS réel NCR
0	0	0	1	Epson ESC/POS	1	0	0	1	PD6000
0	0	1	0	ADM787/788	1	0	1	0	ICD2002
0	0	1	1	DSP800	1	0	1	1	Réservé
0	1	0	0	AEDEX	1	1	0	0	Réservé
0	1	0	1	Standard UTC	1	1	0	1	Réservé
0	1	1	0	Amélioré UTC	1	1	1	0	Réservé
0	1	1	1	CD5220	1	1	1	1	Réservé

("0" : S/W OFF, "1" : S/W ON)

2. Fonction du commutateur DIP n°2

N°	Fonction	Eteint	Allumé
1	Paquet de données	8 Bit	7 Bit
2	Parité	Aucune parité	Parité
3	Sélection de la parité	Impaire	Paire

4~6 Sélection de la vitesse de transmission

4	5	6	Vitesse de transmission	4	5	6	Vitesse de transmission
0	0	0	9,600 bps	1	0	0	115,200 bps
0	0	0	4,800 bps	1	0	1	57,600 bps
0	1	1	2,400 bps	1	1	0	38,400 bps
0	1	0	1,200 bps	1	1	1	19,200 bps

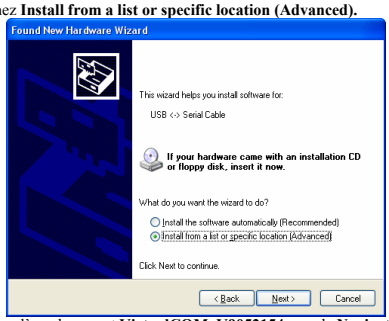
("0" : S/W OFF, "1" : S/W ON)

7~8	N. C. (Non connecté)	Veille Utilisation	Veille Utilisation

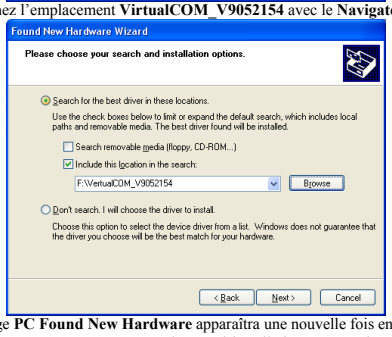
◈ Installation du pilote COM virtuel (uniquement pour le modèle BCD-1000)

Le PC requiert l'installation di logiciel lorsqu'il détecte un nouveau matériel connecté à un port USB. D'abord, brancher le **BCD-1000DU/WU(USB)** au **port USB** du **PC** puis installer le logiciel, en paramétrage les conditions comme indiqué ci-dessous.

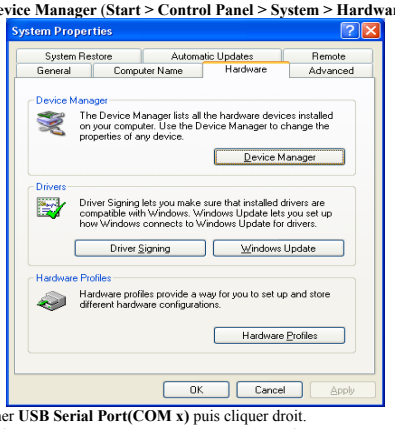
1. Brancher le **BCD-1000DU/WU(USB)** au **port USB** du **PC.**
   Le message **Found New Hardware** apparaîtra.
2. Sélectionnez **Install from a list or specific location (Advanced).**


Found New Hardware Wizard
This wizard helps you install software for:
USB <-> Serial Cable
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

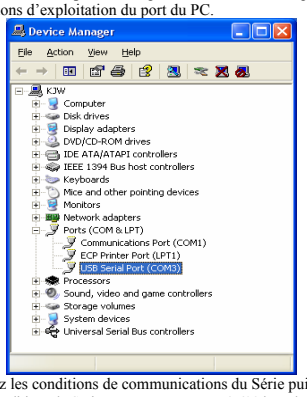
3. Sélectionnez l'emplacement **VirtualCOM_V9052154** avec le **Navigateur** puis sélectionnez **Next.**


Found New Hardware Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM...)
Include this location in the search:
F:\VertualCOM_V9052154
Browse
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< Back
Next >
Cancel

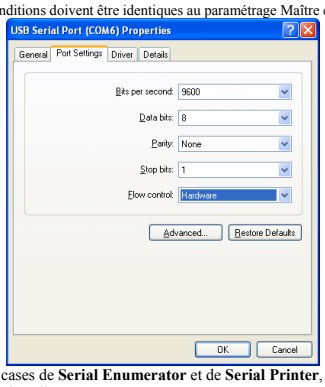
4. Le message **PC Found New Hardware** apparaîtra une nouvelle fois en bas à droite de l'écran, **PC Found New Hardware (USB Serial Port),** lorsque l'installation sera terminée.
5. Répéter les étapes 1-3 de l'assistant du **Found New Hardware Wizard**. L'installation a lieu à deux reprises.
6. Ouvrez **Device Manager** (**Start > Control Panel > System > Hardware > Device Manager**).


System Properties
System Restore
Automatic Updates
Remote
General
Computer Name
Hardware
Advanced
Device Manager
The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.
Device Manager
Drivers
Driver Signing lets you make sure that installed drivers are compatible with Windows. Windows Update lets you set up how Windows connects to Windows Update for drivers.
Driver Signing
Windows Update
Hardware Profiles
Hardware profiles provide a way for you to set up and store different hardware configurations.
Hardware Profiles
OK
Cancel
Apply

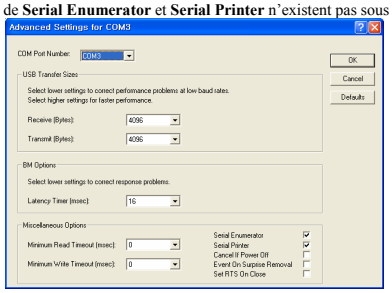
7. Sélectionner **USB Serial Port(COM x)** puis cliquer droit.
   Puis sélectionnez **Properties**. Le port COM est automatiquement recensé. Ce recensement diffère selon les conditions d'exploitation du port du PC.



8. Paramétrez les conditions de communications du Série puis sélectionnez **Advanced**.
   8-1. Les conditions du Série préparamétrées sont 9 600 bps, data bit 8, aucune parité, commande de flux du matériel.
   8-2. Ces conditions doivent être identiques au paramétrage Maître et au paramétrage du programme Série.



9. Cocher les cases de **Serial Enumerator** et de **Serial Printer**, puis sélectionner **OK**. Le pilote COM virtuel a été installé avec succès.
   (Les cases de **Serial Enumerator** et **Serial Printer** n'existent pas sous Windows 98.)



◈ WEEE (Waste Electrical and Electric Equipment)

L'indication que comportent le produit ou son étiquette, signifie qu'il ne doit pas être traité avec les autres déchets domestiques, lorsqu'il ne sera plus utilisable. Son utilisateur devra le séparer d'autres types de déchets pour son recyclage, afin d'empêcher que son mauvais traitement ne nuise à l'environnement ou à la santé publique, ce qui contribuera à la réutilisation durable de ressources. Pour un produit à usage domestique, il faut contacter le point de vente où vous avez acheté votre produit, ou les autorités locales, pour vous renseigner sur les décharges où le produit usé doit être mis, dans le cadre de sa réutilisation assurant la sécurité environnementale. Pour un produit à usage industriel, il faut appeler son fournisseur pour vérifier les conditions de vente. Une fois usé, ce produit ne doit pas être traité avec les autres déchets industriels et commerciaux.

☎ BIXOLON Co., Ltd.

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BIXOLON®
SAMSUNG mini printers

Guía de instalación del visor

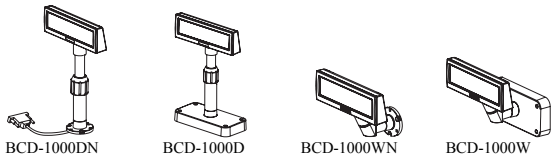
VISOR DEL CLIENTE BCD-1000

◈ Información

Esta Guía de instalación incluye un breve resumen de la información necesaria para la instalación del producto. Para obtener información de instalación más detallada, consulte el manual del usuario que se encuentra en el CD adjunto. Los contenidos del CD incluyen lo siguiente.

1. Manual: Manual del usuario
2. Controladores: Controladores para Windows, Controladores OPOS

◈ Componentes



BCD-1000DN BCD-1000D BCD-1000WN BCD-1000W

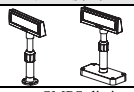
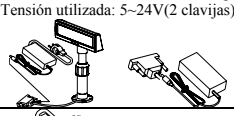
Componentes comunes a todos los productos

CD Guía de instalación Tornillos M3*10, Roscado (excepto el tipo BCD-1000D)

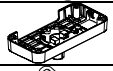
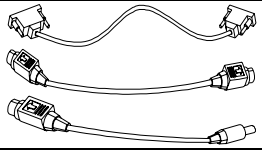
◈ Configuración inicial y opciones según el tipo

1. Tipo serie

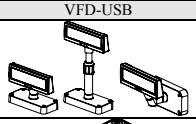
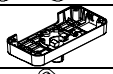
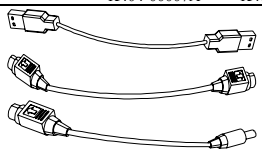
* Tipo directo: sin paso por una placa, conexión directa con la VFD

Elemento	VFD- Serie
Establecer configuración inicial	
Conexión	Conexión mediante una SMPS distinta en el puerto serie Tensión utilizada: 5~24V(2 clavijas) 
Configuración inicial de la energía	 5V (K410-00001A)

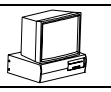
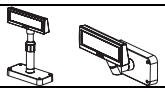
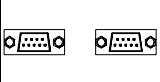
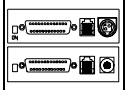
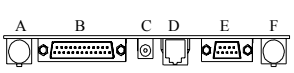
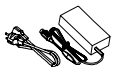
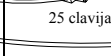
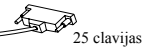
* Tipo de traspaso (Transferencia de datos: PC PRINCIPAL → VFD → Impresora)

Elemento	VFD- Serie
Establecer configuración inicial	
Configuración inicial de la placa	
Opciones de energía	 24V,2.5A: K404-00007A 24V, 1.5A : K402-00008B 5V K410-00001A
Opciones de cables	 9PM.25PF (K604-00086A) Cable de energía 3P/3P 1,8M (K610-00005B) Cable de energía 3P/2P 1,8M (K610-00005G)

2. Tipo USB (Transferencia de datos: PC PRINCIPAL → VFD, PRINCIPAL → Impresora)

Elemento	VFD-USB
Establecer configuración inicial	
Configuración inicial de la placa	
Opciones de energía	 24V,2.5A: K404-00007A 24V, 1.5A : K402-00008B 5V K410-00001A
Opciones de cables	 Cable USB, 1,8M (K604-00069A) Cable de energía 3P/3P 1,8M (K610-00005B) Cable de energía 3P/2P 1,8M (K610-00005G)

◈ Método y tamaño de conexión

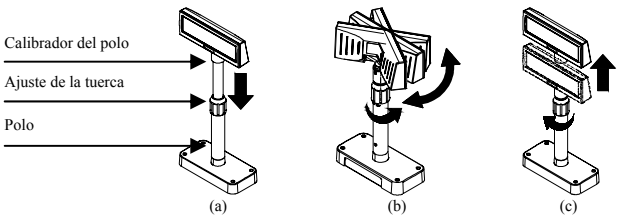
Unidad básica			
Interfaz			 A B C D E F
Método de conexión de energía 1 Suministro energético de la VFD separado			 5~24V
Método de conexión de energía 2 SMPS→VFD →Impresora		 3 clavijas	 3 clavijas 24V
Método de conexión de energía 3 SMPS→VFD →Impresora		 2 clavijas	 3 clavijas 24V
Método de conexión por cable 1 Principal→VFD →Impresora	 9 clavijas	 25 clavijas	 25 clavijas 9 clavijas
Método de conexión por cable 2	 9 clavijas 9 clavijas	 25 clavijas	 25 clavijas
Varios	A: Conector para el suministro energético (Salida DC 24V, 3 clavijas) B: Conector de la interfaz principal (D-SUB 25 clavijas, hembra) C: Conector para el suministro energético (Entrada DC 5~24V, 2 clavijas) D: Conector del visor E Conector de la interfaz de la impresora (D-SUB 9 clavijas, macho) F: Conector para el suministro energético (Entrada DC 24V, 3 clavijas)		

✱ Nota

Los métodos de conexión de energía para el tipo USB son idénticos que los del tipo serie, que consisten en el método de conexión SMPS → VFD → Impresora y el suministro de energía separado hacia la VFD.

◈ Función de rotación

Este producto se puede rotar hacia la posición que desee. Siga las instrucciones a continuación para asegurar que el producto se use adecuadamente y no se dañe. Después de armar el producto, siga los pasos de los dibujos a continuación para fijar el visor en una posición determinada.



(a) Baje el visor en el sentido de la flecha.
Gire el ajuste de la tuerca para permitir que el visor baje.
(Observe las marcas ABRIR/CERRAR del producto)

(b) Gire el visor hasta el ángulo deseado.

✱ Advertencia
No gire el visor en la misma dirección por más de una vuelta.
(Tenga cuidado porque el visor se puede girar continuamente.)

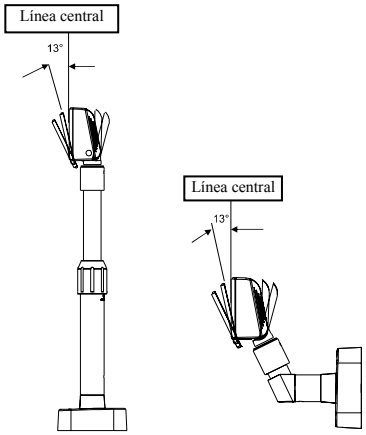
(c) Después de colocar el visor en el ángulo deseado, ajuste levemente la tuerca.
(Cuando se levante el visor, se evita el movimiento lateral.)
Después de colocar el visor a la altura deseada, ajuste completamente la tuerca.

✱ Advertencia
Ajustar demasiado la tuerca puede ocasionar daños y otros problemas.
Ajústela de modo que el visor esté seguro.

✱ Advertencia
Como se muestra en la figura (a), gire el visor una vez que lo bajó completamente.
Si lo hace cuando todavía no está bien abajo, se producirá un chasquido. Este sonido no indica ningún daño y se produce a partir del contacto entre los mecanismos de giro y la varilla del interior del polo. Si el visor se bajó por completo, no se producirá este sonido cuando lo gire.

◈ Función de inclinación

Este producto se puede inclinar en el ángulo que desee. Siga las instrucciones a continuación para asegurar que el producto se use adecuadamente y no se dañe.
El visor puede inclinarse en intervalos de 13° desde la línea central hasta un máximo de cuatro fases, o cinco posiciones. (Inclinación: máx. 52°)



◈ Cómo configurar los interruptores DIP

Para cambiar la configuración de los interruptores DIP, la impresora debe estar apagada. Los cambios que se realicen mientras la impresora esté encendida no se procesarán.

1. Función del interruptor DIP #1 (RS-232 Configuración de la entrada en serie)

No.	Función	Interruptor APAGADO	Interruptor ENCENDIDO
1	Configuración inicial	Valor del interruptor DIP	Almacenamiento de datos EEP-ROM
2	S.C. (Sin conexión)	Uso en espera	Uso en espera
3	Dirección del visor	Hacia el cliente	Hacia el operador
4	Autoevaluación	Desactivada	Activada

5~8 Emulación de comandos

5	6	7	8	Emulación de comandos	5	6	7	8	Emulación de comandos
0	0	0	0	Samsung VFD	1	0	0	0	NCR Real POS
0	0	0	1	Epson ESC/POS	1	0	0	1	PD6000
0	0	1	0	ADM787/788	1	0	1	0	ICD2002
0	0	1	1	DSP800	1	0	1	1	Reservado
0	1	0	0	AEDEX	1	1	0	0	Reservado
0	1	0	1	UTC Standard	1	1	0	1	Reservado
0	1	1	0	UTC Enhance	1	1	1	0	Reservado
0	1	1	1	CD5220	1	1	1	1	Reservado

("0" : Software APAGADO, "1" : Software ENCENDIDO)

2. Función del interruptor DIP #2

No.	Función	Interruptor APAGADO	Interruptor ENCENDIDO
1	Paquete de datos	8 Bits	7 Bits
2	Paridad	No hay paridad	Paridad
3	Selección de paridad	Impar	Par

4~6 Selección de la velocidad de transmisión

4	5	6	Velocidad de transmisión	4	5	6	Velocidad de transmisión
0	0	0	9.600 bps	1	0	0	115.200 bps
0	0	0	4.800 bps	1	0	1	57.600 bps
0	1	1	2.400 bps	1	1	0	38.400 bps
0	1	0	1.200 bps	1	1	1	19.200 bps

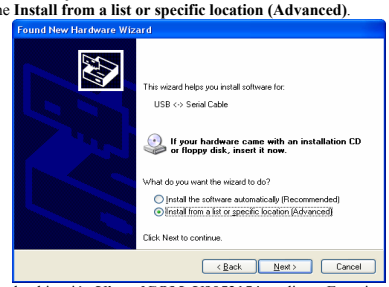
("0" : Software APAGADO, "1" : Software ENCENDIDO)

7~8	S.C. (Sin conexión)	Uso en espera	Uso en espera

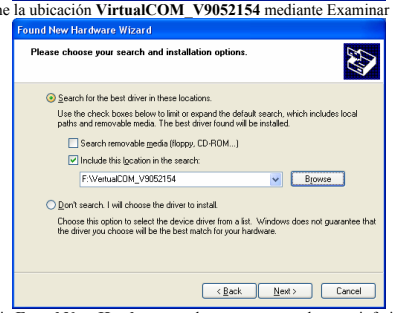
◈ Instalación del controlador virtual COM (sólo para BCD-1000 de tipo USB)

La **PC** requiere de la instalación de un software cuando detecta un nuevo hardware conectado a un Puerto **USB**.
Primero, conecte el **BCD-1000DU/WU(USB)** al Puerto **USB** de la **PC** e instale el software, luego configure las condiciones como se muestra a continuación.

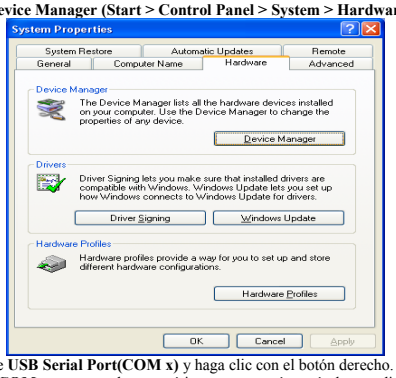
1. Conecte el **BCD-1000DU/WU(USB)** al Puerto **USB** de la **PC**.
   Aparecerá el mensaje **Found New Hardware**.
2. Seleccione **Install from a list or specific location (Advanced)**.


Found New Hardware Wizard
This wizard helps you install software for:
USB <-> Serial Cable
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

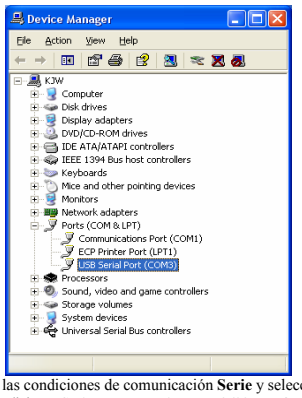
3. Seleccione la ubicación **VirtualCOM_V9052154** mediante Examinar y seleccione **Next**.


Found New Hardware Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM...)
Include this location in the search:
F:\VertualCOM_V9052154
Browse
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< Back
Next >
Cancel

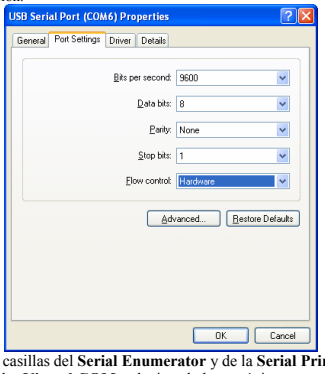
4. El mensaje **Found New Hardware** vuelve a aparecer en la parte inferior derecha de la pantalla, **PC Found New Hardware (USB Serial Port)**, cuando se termina.
5. Repita los pasos del 1 al 3 en el **Found New Hardware Wizard**. La instalación se ejecuta dos veces.
6. Abra el **Device Manager (Start > Control Panel > System > Hardware > Device Manager)**.


System Properties
System Restore
Automatic Updates
Remote
General
Computer Name
Hardware
Advanced
Device Manager
The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.
Device Manager
Drivers
Driver Signing lets you make sure that installed drivers are compatible with Windows. Windows Update lets you set up how Windows connects to Windows Update for drivers.
Driver Signing
Windows Update
Hardware Profiles
Hardware profiles provide a way for you to set up and store different hardware configurations.
Hardware Profiles
OK
Cancel
Apply

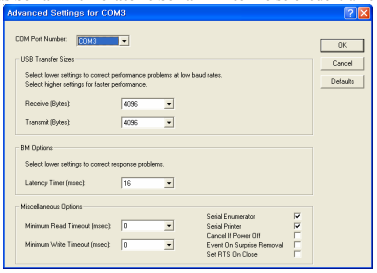
7. Seleccione **USB Serial Port(COM x)** y haga clic con el botón derecho. Luego seleccione **Properties**.
   El puerto **COM** es enumerado automáticamente y varía según las condiciones de la ocupación del puerto de la **PC**.



8. Configure las condiciones de comunicación **Serie** y seleccione **Advanced**.
   8-1. Las condiciones **Serie preestablecidas** son **9600 bps**, **8 bits de datos**, **ninguna paridad**, **control de flujo del hardware**.
   8-2. Estas condiciones deben ser idénticas a la configuración **Maestro** y a la configuración **Serie** del programa de aplicación.



9. Marque las casillas del **Serial Enumerator** y de la **Serial Printer** luego seleccione **OK**.
   El controlador **Virtual COM** se ha instalado con éxito.
   (Las casillas **Serial Enumerator** e **Serial Printer** no se encuentran en **Windows 98**.)



◈ WEEE (Waste Electrical and Electric Equipment)

Esta marca mostrada sobre el producto, indica que este no debería ser mezclado junto con otros desechos de uso doméstico al final de su vida laboral. Para prevenir el posible daño medioambiental o de salud humana en la recogida de basura incontrolada, por favor separe este producto de otros tipos de desechos y recíclelo con responsabilidad para promover la reutilización de recursos materiales. El usuario final del producto debería ponerse en contacto con el distribuidor donde ha realizado la compra del producto, ó con su oficina de administración local, para que le informen dónde y cómo ellos pueden hacer el reciclaje ecológico seguro y adecuado. Los empresarios deberían ponerse en contacto con su proveedor y comprobar los términos y las condiciones del contrato de compra. Este producto no debería ser mezclado con otros desechos comerciales.

☎ BIXOLON Co., Ltd.

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  (Tél.) +82-31-218-5531
- **Oficina en los EE.UU.**
  (Adr.) 1210 E. 223rd St., #330, Carson, CA 90745
  (Tél.) +1-858 764 4581
- **Oficina en Europa**
  (Adr.) BIXOLON Europe GmbH, Lindenstrasse 169, 40233 Dusseldorf, Germany
  (Tél.) +49 (0)211 68 78 54 0

BIXOLON®
SAMSUNG mini printers

Manual de instalação do visor

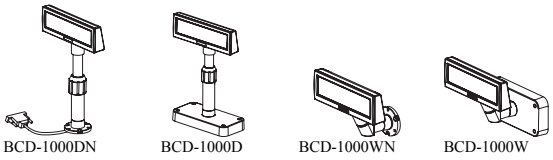
VISOR DO CLIENTE BCD-1000

◈ Informações

Este manual de instalação inclui uma breve referência a informações necessárias para instalação do produto. Para obter informações mais detalhadas acerca da instalação, consulte o manual do utilizador contido no CD incluso. Os conteúdos do CD incluem o seguinte:

1. Manual: Manual do utilizador
2. Controladores: Controladores do Windows e do OPOS

◈ Componentes



Componentes semelhantes de todos os produtos

CD

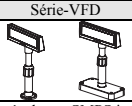
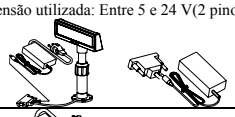
Manual de instalação

Parafusos
M3*10, de toque
(excluindo o tipo BCD-1000D)

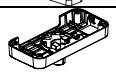
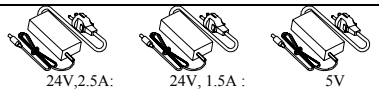
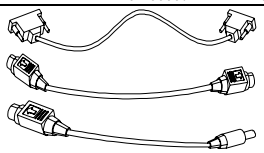
◈ Definições iniciais e opções por tipo

1. Tipo série

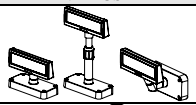
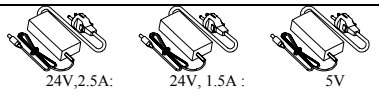
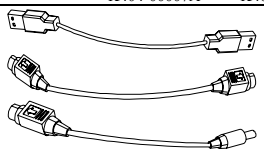
* Tipo directo: Sem passagem por uma placa, ligação directa com o VFD

Item	Série-VFD
Definição Definição inicial	
Ligação	A ligação é realizada através de um SMPS independente na porta série Tensão utilizada: Entre 5 e 24 V(2 pinos) 
Energia Definição inicial	 5V (K410-00001A)

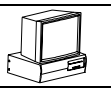
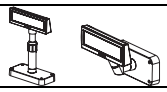
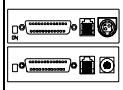
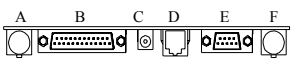
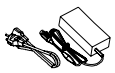
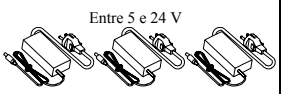
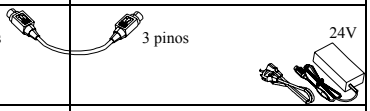
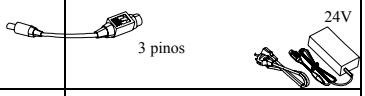
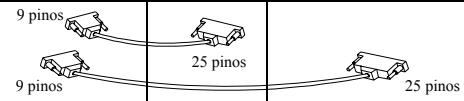
* Tipo porta passante (Transferência de dados: ANFITRIÃO (PC) → VFD → Impressora)

Item	Série-VFD
Definição Definição inicial	
Placa Definição inicial	
Opções de energia	 24V,2.5A: K404-00007A 24V, 1.5A : K402-00008B 5V K410-00001A
Opções do cabo	 9PM.25PF (K604-00086A) Cabo de alimentação 3P/3P 1,8M (K610-00005B) Cabo de alimentação 3P/2P 1,8M (K610-00005G)

2. Tipo USB (Transferência de dados: ANFITRIÃO (PC) → VFD, ANFITRIÃO → Impressora)

Elément	VFD-USB
Definição Definição inicial	
Placa Definição inicial	
Opções de energia	 24V,2.5A: K404-00007A 24V, 1.5A : K402-00008B 5V K410-00001A
Opções do cabo	 Cabo USB, 1,8M (K604-00069A) Cabo de alimentação 3P/3P 1,8M (K610-00005B) Cabo de alimentação 3P/2P 1,8M (K610-00005G)

◈ Dimensions et méthodes de connexion

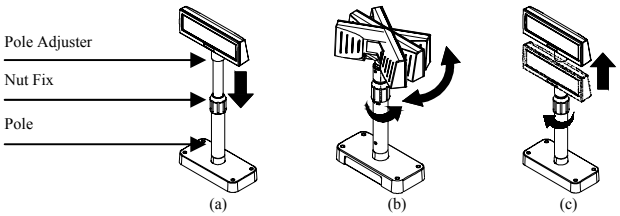
Unidade básica			
Interface			
Método 1 de ligação da energia Fonte de alimentação independente VFD			
Método 2 de ligação da energia SMPS→VFD →Impressora			
Método 3 de ligação da energia SMPS→VFD →Impressora			
Método 1 de ligação do cabo Anfitrião→VFD →Impressora			
Método 2 de ligação do cabo			
Diversos	A: Conector da fonte de alimentação (DC 24 V de saída, 3 pinos) B: Conector do interface anfitrião (D-Sub, 25 pinos, fêmea) C: Conector da fonte de alimentação (DC entre 5 e 24 V de saída, 2 pinos) D: Conector da unidade de visualização E: Conector do interface da impressora (D-Sub, 9 pinos, macho) F: Conector da fonte de alimentação (DC 24 V de entrada, 3 pinos)		

✱ Nota

Os métodos de ligação de alimentação para o tipo USB são idênticos ao do tipo série, que consiste em SMPS → VFD → Método de ligação da impressora e a fonte de alimentação independentes do VFD.

◈ Função de rotação

Este produto pode ser rodado para a posição pretendia. Observe as direcções abaixo para assegurar que o produto está a ser utilizado correctamente e não está danificado. Depois de montar o produto, siga os passos indicados nas imagens para fixar o visor numa determinada posição.



(a) Baixe a unidade de visualização na direcção da seta.
Rode a porca de fixação para permitir que a unidade de visualização seja baixada.
(Consulte os símbolos ABRIR/FECHAR do produto)

(b) Rode a unidade de visualização para o ângulo pretendido.

✱ Atenção
Não rode a unidade de visualização numa direcção para mais do que uma revolução.
(Tenha em atenção que a unidade de visualização pode ser rodada de forma contínua.)

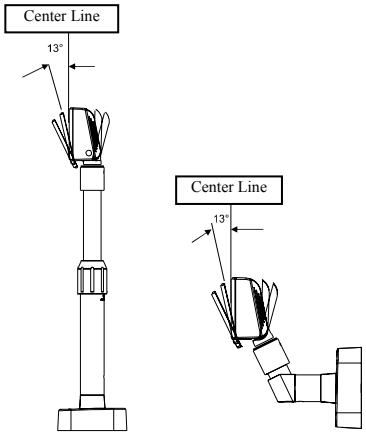
(c) Depois de definir a unidade de visualização para o ângulo pretendido, aperte ligeiramnete a fixação da porca. (Quando levantar o visor, o movimento lateral não é realizado.) Depois de definir a unidade de visualização para o ângulo pretendido, aperte totalmente a fixação da porca.

✱ Atenção
Se apertar excessivamente a fixação do parafuso, pode provocar danos e outros problemas.
Aperte a fixação do parafuso para um grau suficiente onde a unidade de visualização esteja segura.

✱ Atenção
Como a figura (a) mostra, rode a unidade de visualização depois de a baixar ao máximo. Rode a unidade de visualização quando não estiver baixada para o máximo, enquanto produz o som de um clique. Este som não indica qualquer dano e é fruto do contacto entre o mecanismo de rotação e as nervuras localizadas dentro do pólo. Quando a unidade de visualização é baixada na totalidade, este som não será produzido quando a roda.

◈ Função de inclinação

Este produto pode ser inclinado para a posição pretendia. Observe as direcções abaixo para assegurar que o produto está a ser utilizado correctamente e não está danificado.
A unidade de visualização pode ser inclinada em intervalos de 13° a partir da linha central até a um máximo de quatro fases ou cinco posições. (Inclinação: máximo de 52°)



◈ Definir os interruptores DIP

La modification des paramètres des commutateurs DIP doit être effectuée lorsque l'imprimante est éteinte. Toute modification effectuée lorsque l'imprimante est allumée ne sera pas traitée.

1. Função do interruptor DIP #1 (definição de entrada série RS-232)

Número	Função	Interruptor DESLIGADO	Interruptor LIGADO
1	Definição inicial	Valor do interruptor DIP	Extremidade de dados EEP-ROM
2	S. L. (Sem ligação)	Utilização em modo de espera	Utilização em modo de espera
3	Direcção de visualização	Na direcção do cliente	Na direcção do operador
4	Teste automático	Desactivada	Activada
5~8	Emulação do comando	(ver tabela abaixo)	

5	6	7	8	Emulação do comando	5	6	7	8	Emulação do comando
0	0	0	0	VFD Samsung	1	0	0	0	Real POS NCR
0	0	0	1	Epson ESC/POS	1	0	0	1	PD6000
0	0	1	0	ADM787/788	1	0	1	0	ICD2002
0	0	1	1	DSP800	1	0	1	1	Reservado
0	1	0	0	AEDEX	1	1	0	0	Reservado
0	1	0	1	Norma UTC	1	1	0	1	Reservado
0	1	1	0	Melhoramento UTC	1	1	1	0	Reservado
0	1	1	1	CD5220	1	1	1	1	Reservado

("0" : S/W DESLIGADO, "1" : S/W LIGADO)

2. Função do interruptor DIP #2

Número	Função	Interruptor DESLIGADO	Interruptor LIGADO
1	Pacote de dados	8 Bits	7 Bits
2	Paridade	Sem paridade	Paridade
3	Selecção da paridade	Ímpar	Uniforme
4~6	Selecção da velocidade de transmissão	(ver tabela abaixo)	
7~8	S. L. (Sem ligação)	Utilização em modo de espera	Utilização em modo de espera

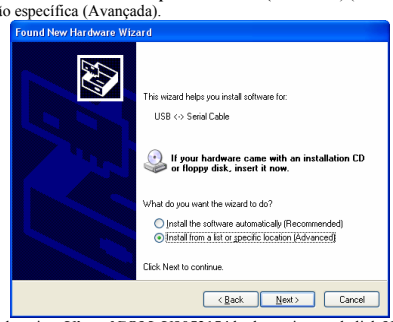
4	5	6	Velocidade de transmissão	4	5	6	Velocidade de transmissão
0	0	0	9,600 bps	1	0	0	115,200 bps
0	0	0	4,800 bps	1	0	1	57,600 bps
0	1	1	2,400 bps	1	1	0	38,400 bps
0	1	0	1,200 bps	1	1	1	19,200 bps

("0" : S/W DESLIGADO, "1" : S/W LIGADO)

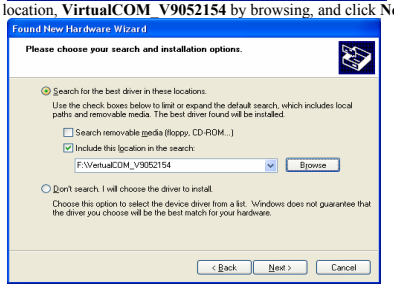
◈ Instalação do controlador COM virtual (apenas para o tipo BCD-1000 USB)

O PC necessita de instalação de software quando detecta novo hardware ligado à porta **USB**.
Primeiro, ligue o **BCD-1000DU/WU(USB)** à porta USB do PC e instale o software, definido as condições como mostrado abaixo.

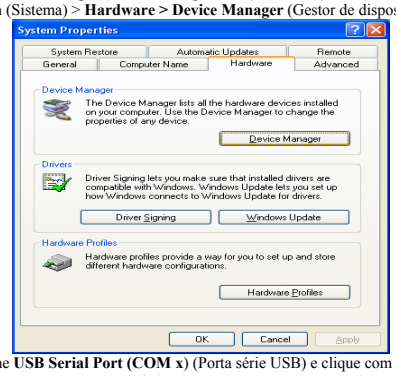
1. Ligue o **BCD-1000DU/WU(USB)** à porta **USB** do **PC**.
   Aparece a mensagem **Found New Hardware** (Novo hardware encontrado).
2. Seleccione **Install from a list or specific location (Advanced)** (Instalar a partir de uma lista ou localização específica (Avançada).


Found New Hardware Wizard
This wizard helps you install software for:
USB <-> Serial Cable
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

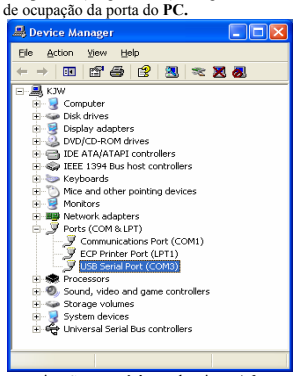
3. Select the location, **VirtualCOM_V9052154** by browsing, and click **Next**.


Found New Hardware Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM...)
Include this location in the search:
F:\VertualCOM_V9052154
Browse
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< Back
Next >
Cancel

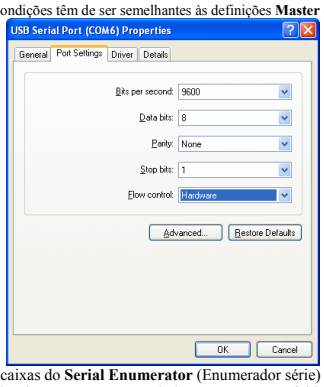
4. A mensagem **Found New Hardware** (Novo hardware encontrado) volta a aparecer no canto inferior direito do ecrã, **PC Found New Hardware (USB Serial Port)** (Novo hardware encontrsdo para PC (Porta série USB), quando a operação está concluída.
5. Volte a repetir os passos 1 a 3 no **Found New Hardware Wizard** (Assistente de novo hardware encontrado). A instalação é realizada duas vezes.
6. Abra o **Device Manager (**Gestor de dispositivos**)** >**Start (**Iniciar**) > Control Panel** (Painel de controlo) **> System** (Sistema) > **Hardware > Device Manager** (Gestor de dispositivos).


System Properties
System Restore
Automatic Updates
Remote
General
Computer Name
Hardware
Advanced
Device Manager
The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.
Device Manager
Drivers
Driver Signing lets you make sure that installed drivers are compatible with Windows. Windows Update lets you set up how Windows connects to Windows Update for drivers.
Driver Signing
Windows Update
Hardware Profiles
Hardware profiles provide a way for you to set up and store different hardware configurations.
Hardware Profiles
OK
Cancel
Apply

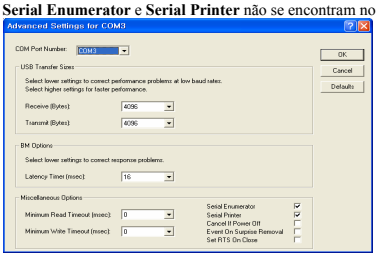
7. Seleccione **USB Serial Port (COM x)** (Porta série USB) e clique com o botão direito do rato. A seguir, seleccione **Properties** (Propriedades). A porta **COM** é numerada automaticamente e varia consoante as condições de ocupação da porta do **PC.**



8. Defina as comunicações em **série** e seleccione **Advanced** (Avançadas).
   8-1. As **condições série** prdefinidas são **9 600 bps, 8 bits de dados, sem paridade e hardware de controlo de fluxo**.
   8-2. Estas condições têm de ser semelhantes às definições **Master** e às definições **série** do programa.



9. Marque as caixas do **Serial Enumerator** (Enumerador série) e **Serial Printer** (Impressora série) e, de seguida, seleccione **OK**. O controlador **Virtual COM** foi instalado com sucesso .
   (As caixas **Serial Enumerator** e **Serial Printer** não se encontram no **Windows 98**.)



◈ WEEE (Waste Electrical and Electric Equipment)

Esta marca mostrada no produto, indica que isto não deve ser disposto com outros desperdícios de uso doméstico no fim da sua vida de funcionamento. Para prevenir o dano possível ao ambiente ou a saúde humana na coleção de lixo descontrolada, por favor separe este produto de outros tipos de desperdicíos e recíclelo com reponsabilidade para promover reutilização de recursos materiais. Os usuários da casa devem pôr-se no contato com o distribiudor onde compraram este produto, ou seu escrtório de administração local, para detalhes onde e como podem fazer o reciclagem ambiental, seguro e adequado. Os empresários devem pôr-se no contato com seu fornecedor e verificar os termos e condições do contrato de compra. Este produto não deve ser misturado com os outros desperdícios comerciais.

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